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PAPER # 1

- Having described my invention I claim;
- 1 - Fluorescent light fixture comprising;
 - a - a plurality of elongated light reflectors and each end of said reflectors attached to socket mount/wire arms and
 - b - said socket mount/wire raceway arms attached to ends of ballast channel assembly,
 - c - a single ballast mounted in said ballast channel assembly,
 - d - fluorescent light tube sockets for a plurality of fluorescent light tubes mounted on said socket mount/wire raceway arms at each end of said elongated light reflectors in the concave side of said elongated light reflectors
 - e - a plurality of elongated fluorescent light tubes inserted into said light tube sockets in the concave side of said elongated light reflectors and,
 - f - rim edges on said elongated light reflectors overlap on adjacent rim edges of said elongated light reflectors.

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4 2 - Fluorescent light fixture of claim 1, further
5 consisting of;
6 a - a plurality of elongated light reflectors and
7 each end of said reflectors attached to socket
8 mount/wire arms and,
9 b - two of said socket mount/wire raceway arms attached
10 one on each end perpendicular to ends of ballast
11 channel assembly,
12 c - a single ballast mounted in said ballast channel
13 assembly
14 d - light tube sockets for plurality of fluorescent
15 light tubes mounted on said socket mount/wire
16 raceway arms at each end of said plurality of
17 elongated light reflectors in the concave side
18 of said plurality of elongated light reflectors
19 and
20 e - said plurality of elongated light tubes inserted
21 into said light tube sockets in the concave side of
22 said light reflectors and,
23 f - slots in said reflectors for indirect lighting and
24 g - suspending, by hanger wire/chain, said assembly of
25 fluorescent light fixture from a ceiling.
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5 3 - A fluorescent elongated tube light fixture, of
6 claim 1, wherein further improvement consists of;
7 a - a reflector fitting over said fluorescent elongated
8 tube light for maximum light reflection downward
9 b - said fluorescent elongated tube light having a
10 diameter D, then the radius R of the bend of the
11 cross section of said reflector is D X 0.875,
12 c - the arc at the bend of the reflector is equal to
13 120°,
14 d - the sides of said reflectors are tangent to the
15 radius at the ends of said arc,
16 e - said reflector sides extend outward to a dimension
17 between said reflector sides equal to 3.25 X
18 diameter of the said fluorescent tube and,
19 f - the distance between said fluorescent elongated tube
20 light and the arc of the bend of said light reflector
21 is equal to 0.375 X diameter of said fluorescent
22 elongated tube light and,
23 g - distance from bottom of said fluorescent tube light
24 to span line between said reflector side edges is
25 equal to 0.5 X diameter of fluorescent tube light.

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5 4 - A method of focusing downlight of a fluorescent
6 hanging light fixture consisting of;

- 7 a - reflectors over each fluorescent elongated light
8 tube,
9 b - said reflector extending the length of said
10 fluorescent elongated light tube,
11 c - cross section of said reflector comprising an arc
12 straddling said fluorescent elongated light tube and
13 at a space of 0.375 times diameter of said fluorescent
14 elongated light tube from said fluorescent elongated
15 light tube
16 d - said arc of said reflector having a radius of 0.875
17 times the diameter of said fluorescent light tube
18 and said arc ranging from 120° to 160° and
19 e - sides of said reflector tangent at each end of said
20 arc range of said reflector.
21 f - a single ballast mounted in ballast channel assembly
22 and,
23 g - a plurality of said reflectors and fluorescent elong-
24 ated light tubes mounted in said fluorescent elongated
25 light fixture.
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2 5 - An elongated fluorescent light fixture of claim 1,
3 wherein further improvement comprises,
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5 a - a plurality of at least five and not more than eight
6 elongated fluorescent light tubes mounted in a
7 fluorescent light tube assembly and
8 b - a ballast mounted in ballast channel of said
elongated fluorescent light fixture.

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11 6 - Elongated fluorescent light tube reflector, of claim 1,
12 selected from the group consisting of polished sheet metal,
13 metal coated plastic, and metal coated glass.

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17 *X /L*
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